ARCHIVES OF DISEASE IN CHILDHOOD

EDITORS
RICHARD H. DOBBS and DOUGLAS GAIRDNER

EDITORIAL COMMITTEE

J. APLEY
P. T. BRAY
W. M. DENNISON
C. E. DENT
J. L. HENDERSON
HUGH JOLLY
G. M. KOMROWER
B. M. LAURANCE
L. B. STRANG
R. B. ZACHARY

PRESIDENT OF THE BRITISH PAEDIATRIC ASSOCIATION
EDITOR, *British Medical Journal*
APPOINTED BY THE BRITISH PAEDIATRIC ASSOCIATION AND THE BRITISH MEDICAL ASSOCIATION

VOLUME XXXIX, 1964

LONDON
BRITISH MEDICAL ASSOCIATION
TAVISTOCK SQUARE, W.C.1

CONTENTS

No. 203. *FEBRUARY 1964*

PAGE

Lead Poisoning in Children. A. A. MONCRIEFF, O. P. KOUMIDES, BARBARA E. CLAYTON, A. D. PATRICK, A. G. C. RENWICK, and G. E. ROBERTS 1

Familial Hepatic Copper Storage Disease: A Variant of Wilson's Disease. M. M. FISHER and SHEILA SHERLOCK 14

***Pneumocystis Carinii* Pneumonia and Congenital Hypogammaglobulinaemia.** W. C. MARSHALL, H. J. WESTON, and MARTIN BODIAN 18

***Pneumocystis Carinii* Pneumonia and Progressive Vaccinia in Siblings.** E. C. ALLIBONE, W. GOLDIE, and B. P. MARMION 26

Endemic *Pneumocystis Carinii* Pneumonia in South Iran. CORNELIUS POST, WERNER DUTZ, and IRAJ NASARIAN 35

The Natural History of Spina Bifida Cystica: Detailed Analysis of 407 Cases. K. M. LAURENCE 41

Today's Problems in Hydrocephalus. DAVID YASHON and OSCAR SUGAR 58

The Effect of Experimental Salt Depletion and Aldosterone Load on Sodium and Chloride Concentration in the Sweat of Patients with Cystic Fibrosis of the Pancreas and of Normal Children. P. SIEGENTHALER, J. DE HALLER, R. DE HALLER, A. HAMPAÏ, and A. F. MULLER 61

Four Clinical Variants of Congenital Adrenal Hyperplasia. W. HAMILTON and M. G. BRUSH .. 66

Histidine Decarboxylase in Hyaline Membrane Disease. ROSS G. MITCHELL 73

Chronic Diarrhoeas in Infancy and Childhood. I: The D-Xylose Tolerance Test. C. J. INGOMAR, S. MÜLLERTZ, and E. TERSLEV 79

Incidence and Possible Relation to Athetosis of Neonatal Jaundice of Unknown Aetiology. DYRE TROLLE 85

Some Modifications in the Method of Treating Tetanus Neonatorum with Intermittent Positive-pressure Respiration. E. B. ADAMS, R. HOLLOWAY, and A. K. THAMBIRAN 92

Micturition Cysto-urethrography in the Investigation of Urinary Tract Diseases in Children. R. PARKER ALLEN, and EDMUND H. BURROWS 95

Ampicillin in Paediatrics. R. B. ELLIOTT, E. JOAN STOKES, and G. M. MAXWELL 101

Book Reviews 106

No. 204. *APRIL 1964*

Review Article: Hirschsprung's Disease. H. H. NIXON 109

Hirschsprung's Disease: A New Surgical Technique. F. SOAVE 116

Diastematomyelia: A Critical Survey of 24 Cases Submitted to Laminectomy. C. C. MICHAEL JAMES and L. P. LASSMAN 125

The Blood Supply of the Oesophagus in Relation to Oesophageal Atresia. JAMES LISTER .. 131

Oesophageal Atresia with Double Tracheo-oesophageal Fistula. FRITZ REHBEIN 138

The Natural Evolution of Hiatal Hernias. EMILIO ROVIRALTA 143

Common Denominators in Rectal Anomalies on both sides of the Atlantic. ALEXANDER H. BILL, JR. 149

Megarectum: Physiological Observations. R. P. CALLAGHAN and H. H. NIXON 153

Ano-rectal Anomalies: Physiological Considerations. H. H. NIXON and R. P. CALLAGHAN .. 158

Alloplastic Closure of Defects in Growing Organisms. R. M. KONRAD 161

Juvenile Polyps. IAN P. TODD 166

Further Observations on the Determination of Catecholamine Metabolites in Tumours of Sympathetic Nervous System. H. KÄSER, M. BETTEX, and W. v. STUDNITZ 168

PAGE

Indications for Urgent Operation in Pulmonary Tension Disorders in Childhood. I. SZÖTS and T. JAKAB 172

Lymphangiography in Children. MALCOLM H. GOUGH 177

Studies on Heart Lymph. N. H. ARESKOG, G. ARTURSON, G. GROTTE, and G. WALLENIUS 182

Treatment of Pancreatic Rupture. M. SULAMAA and I. VIITANEN 187

Two 'Hopeless' Urological Cases in Infants. PIERRE BOISSONNAT 190

Malignant Carotid Body Tumour in the Neck of a Newborn Infant. S. AKKARY 194

Hypoglycaemia with Wilms' Tumour. A. H. LOUTFI, I. MEHREZ, S. SHAHBENDER, and F. H. ABDINE 197

British Association of Paediatric Surgeons 204

Book Reviews 206

No. 205. *JUNE 1964*

The Sequelae of Tuberculous Meningitis. R. MCLAREN TODD and JOSEPH G. NEVILLE 213

Plasma Protein Composition of Hyaline Membrane in the Newborn as Studied by Immunofluorescence. KAZIMIERA GAJL-PECZALSKA 226

'Adult Pattern' of Pulmonary Vessels in Newborn Infants. M. A. THOMAS 232

Interstitial Emphysema in the Newborn. R. PROSSER 236

Hypercalcuric Rickets Associated with Renal Tubular Damage. C. E. DENT and M. FRIEDMAN 240

Hydroxykynureninuria: A case of Abnormal Tryptophan Metabolism Probably Due to a Deficiency of Kynureninase. G. M. KOMROWER, VERA WILSON, J. R. CLAMP, and R. G. WESTALL .. 250

Urinary Excretion of Individual 17-Ketosteroids by Normal Children. A. KÁDÁR, T. FEHÉR, and O. KOREF 257

The Excretion of Free α-Amino Acids in Children. H. H. VAN GELDEREN and L. J. DOOREN .. 261

Basal Copper Excretion in Wilson's Disease. C. B. M. WARREN and P. M. G. BROUGHTON .. 265

Congenital Pancreatic Lipase Deficiency. WILFRID SHELDON 268

Deafness in Children of Very Low Birth Weight. ALISON D. MCDONALD 272

Listerial Meningitis in Infancy. J. INSLEY and ZEENAT HUSSAIN 278

Microscopic Appearance of Urine in the Neonatal Period. J. S. LAWSON and A. S. HEWSTONE .. 287

Acute Monocytic Leukaemia with Response to Methotrexate. VICTOR DUBOWITZ 289

Acute Dermatomyositis Presenting with Pulmonary Manifestations. LILLY M. S. DUBOWITZ and VICTOR DUBOWITZ 293

Neurilemmoma of the Tongue. R. D. P. CRAIG 297

Paediatric Pathology Club 299

Paediatric Societies in the British Isles 304

Book Reviews 305

No. 206. *AUGUST 1964*

A Clinico-pathological Study of Acute Glomerulonephritis in East African Children. M. S. R. HUTT and R. H. R. WHITE 313

Congenital Adrenal Hyperplasia. S. RAITI and G. H. NEWNS 324

The Diabetic Pregnancy: A Study of Serum Lipids in Maternal and Umbilical Cord Blood and of the Uterine and Placental Vasculature. S. N. PANTELAKIS, A. H. CAMERON, S. DAVIDSON, P. M. DUNN, A. S. FOSBROOKE, J. K. LLOYD, J. M. MALINS, and O. H. WOLFF 334

PAGE

Cord Blood Lipids of Normal Infants and Infants of Diabetic Mothers. J. G. MORTIMER .. 342

Familial Leucodystrophy. P. L. MASTERS, W. B. MACDONALD, M. M. P. RYAN, and J. N. CUMINGS 345

Subacute Sclerosing (Inclusion Body) Encephalitis. N. S. CLARK and P. V. BEST 356

Placental Transfusion and Fluid Metabolism on the First Day of Life. RUTH L. CORT and HANA PŘIBYLOVÁ 363

The Plasma Tyrosine Levels of Premature Babies. JOHN MATHEWS and MICHAEL W. PARTINGTON 371

Effect of Continual Decompression Using Holter Valve on Weights of Cerebral Hemispheres in Children with Hydrocephalus and Spina Bifida Cystica. JOHN L. EMERY 379

Three Mentally Retarded Girls of Similar Appearance. E. MILDRED CREAK, G. E. ROBERTS, and BARBARA E. CLAYTON 384

Aglossia Congenita. G. M. ARDRAN, J. M. BECKETT, and F. H. KEMP 389

Glucose Tolerance in the Neonatal Period and During the First Six Months of Life. ULLA VON EULER, YNGVE LARSSON, and BENGT PERSSON 393

Hyperglycinaemia and Hyperglycinuria in a Newborn Infant. H. K. A. VISSER, H. W. VEENSTRA, and C. PIK 397

Congenital Dopamine-secreting Neuroblastoma with Clinical and Biochemical Remission. E. M. BRETT, T. E. OPPÉ, C. R. J. RUTHVEN, and M. SANDLER 403

Spontaneous Elimination of Inhaled Grass Inflorescences Through the Lung and Chest Wall. C. CHOREMIS, S. THEODOROU, TH. ATHANASIADES, and H. KATERELOS 406

Idiopathic Hypercalcuria in a Child. L. J. BEILIN and BARBARA E. CLAYTON 409

British Paediatric Association 415

Careers in Paediatrics 421

Book Reviews 426

No. 207. *OCTOBER 1964*

Hereditary Sucrose Intolerance: Levels of Sucrase Activity in Jejunal Mucosa. E. ANN BURGESS, B. LEVIN, D. MAHALANABIS, and R. E. TONGE 431

Metaphysial Dysostosis, Type Schmid. C. E. DENT and I. C. S. NORMAND 444

Haemolytic Anaemia with Acute Renal Disease. N. K. SHINTON, J. F. GALPINE, A. C. KENDALL, and H. PARRY WILLIAMS 455

Functional Faecal Incontinence in Children. IAN BERG and KEVIN VERNON JONES 465

Blood Gas and Metabolic Studies in Plasma Cell Pneumonia and in Newborn Prematures with Respiratory Distress. E. KERPEL-FRONIUS, F. VARGA, and G. BATA 473

Assisted Ventilation in Terminal Hyaline Membrane Disease. MARIA DELIVORIA-PAPADOPOULOS and PAUL R. SWYER 481

Subsequent Infection of Infants Born in a Maternity Hospital: A Trial of a Staphylococcal Vaccine and Toxoid and a Study of the Relation Between Infection in the Maternity Hospital and Subsequent Infection. JOHN BURKINSHAW 485

Infant and Child Mortality in South Warwickshire, 1962-1963. P. M. DUNN and M. E. MACGREGOR 492

Intakes and Excretions of Iron, Copper, and Zinc in the Neonatal Period. PATRICIA A. CAVELL and ELSIE M. WIDDOWSON 496

Kerosene Poisoning in Children. E. A. CACHIA and F. F. FENECH 502

PAGE

The Intravenous Galactose Tolerance Test in Infancy. G. M. THEODORE, J. D. FORD, and J. C. HAWORTH 505

Neuro-cutaneous Melanosis. H. FOX, J. L. EMERY, R. A. GOODBODY, and P. O. YATES .. 508

Intrapartum Toxic Epidermal Necrolysis. W. P. SWEETNAM, A. J. E. BARLOW, and R. G. DENNISS 517

A Probable 17-18 Trisomy Syndrome with Phocomelia, Exomphalos, and Agencies of Hemidiaphragm. TADASHI KAJII, KIYOSHI OIKAWA, KATSUAKI ITAKURA, and TADASHI OHSAWA 519

Sibs with Cardiac Glycogenosis. G. M. LEWIS and T. W. SUTHERLAND 523

Book Reviews 528

No. 208. *DECEMBER 1964*

The Effect of Human Growth Hormone in Hypopituitary Dwarfism. A. PRADER, RUTH ILLIG, JUDITH SZÉKY, and H. WAGNER 535

The Clinical Picture of Glucose 6-Phosphate Dehydrogenase Deficiency in Early Infancy. S. A. DOXIADIS and T. VALAES 545

Subacute Sclerosing Pan-encephalitis: A Review of 17 Cases with Special Reference to Clinical Diagnostic Criteria. HENRI METZ, MARKUS GREGORIOU, and PAUL SANDIFER 554

Polymyographic Studies of Some Involuntary Movements in Subacute Sclerosing Pan-encephalitis. G. PAMPIGLIONE 558

Some EEG Observations in Children with Infantile Spasms Treated with ACTH. RUTH HARRIS 564

West's Syndrome (Infantile Spasms)—A Polymyographic Study. G. PAMPIGLIONE 571

Juvenile Rheumatoid Arthritis: A Follow-up of 75 Cases. IB FRIMODT LINDBJERG 576

Hypophosphatasia: A Metabolic Disease with Important Dental Manifestations. G. MACL. RITCHIE 584

Bone Lesions Due to Smallpox. R. EECKELS, J. VINCENT, and V. SEYNHAEVE 591

Some Aspects of Starvation in the Newborn Baby. ELIZABETH A. HUGHES, L. H. STEVENS, and A. W. WILKINSON 598

The Descent of the Testis. C. G. SCORER 605

Cardiomyopathy in African Children. H. STEIN, M. H. SHNIER, S. WAYBURNE, and C. ISAACSON 610

Idiopathic Neonatal Hyperglycaemia. SHEILA R. LEWIS and PATRICIA E. MORTIMER 618

Homozygous Thalassaemia in an English Child. JUNE K. LLOYD and G. A. BROWN 625

The Use of an Elastic Band to Prevent Haemorrhage from the Umbilical Cord. GERALD A. NELIGAN, J. MICHAEL PARKIN, and CHRISTINE PAUL 630

Tay-Sachs Disease with Visceral Involvement and its Relation to Gargoylism. R. M. NORMAN, A. H. TINGEY, C. G. H. NEWMAN, and SHIRLEY P. WARD 634

Laryngeal Atresia. H. FOX and J. COCKER 641

Book Reviews 646

Index, 1964 649

INDEX TO VOLUME XXXIX

ABDINE, F. H., *see* LOUTFI, A. H., *et al.*
ACTH, treatment for infantile spasms, E.E.G. observations in, 564
ADAMS, E. B., HOLLOWAY, R., and THAMBIRAN, A. K.: Some modifications in method of treating tetanus neonatorum with intermittent positive-pressure respiration, 92
Adenovirus infection, comparative susceptibility of children of blood groups A and O, 301
Adrenal hyperplasia, congenital, 324
Adrenocortical responsiveness to corticotropin, 420
'Adult pattern' of pulmonary vessels in newborn infants, 232
AKKARY, S.: Malignant carotid body tumour in the neck of a newborn infant, 194
Aldosterone and salt depletion load on sodium and chloride concentration in sweat, cystic fibrosis of pancreas and normal, 61
ALLEN, R. P. and BURROWS, E. H.: Micturition cystourethrography in the investigation of urinary tract diseases in children, 95
ALLIBONE, E. C., GOLDIE, W., and MARMION, B. P. *Pneumocystis carinii* pneumonia and progressive vaccinia in siblings, 26
Alloplastic closure of defects in growing organisms, 161
α-Amino acids, free, excretion in children, 261
Ampicillin, in paediatrics, 101
Anaemia, haemolytic, with acute renal disease, 455
——, ——, and nephropathy without thrombocytopenia, 420
Aneurism of the renal artery, 300
Anus, anomalies, ano-rectal, physiological considerations, 158
——, ——, common denominators, both sides of Atlantic, 149
Appearance, similar, of three mentally retarded girls, 384
ARDRAN, G. M., BECKETT, J. M., and KEMP, F. H.: Aglossia congenita, 389
ARESKOG, N. H., *et al.*: Studies on heart lymph, 182
Arrhinencephaly, and trisomy of the 13-15 chromosomes, 302
Artery, renal, aneurysm, 300
Arthritis, rheumatoid, juvenile, follow-up of 75 cases, 576
ARTHURTON, M. W.: The Bradford early discharge maternity scheme, 419
ARTURSON, G., *see* ARESKOG, N. H., *et al.*
ATHANASIADES, TH., *see* CHOREMIS, C., *et al.*
Athetosis, incidence and possible relation to neonatal jaundice of unknown aetiology, 85
Atresia, laryngeal, 641
——, oesophageal, blood supply of oesophagus in relation to, 131
——, ——, with double tracheo-oesophageal fistula, 138

Band, elastic, to prevent haemorrhage from umbilical cord, 630
BARLOW, A. J. E., *see* SWEETNAM, W. P., *et al.*
BATA, G., *see* KERPEL-FRONIUS, E., *et al.*
BECKETT, J. M., *see* ARDRAN, G. M., *et al.*
BEILIN, L. J. and CLAYTON, B. E.: Idiopathic hypercalcuria in a child, 409
BERG, I. and JONES, K. V.: Functional faecal incontinence in children, 465
BEST, P. V., *see* CLARK, N. S. and BEST, P. V.
BETTEX, M., *see* KASER, H., *et al.*
BILL, A. H.: Common denominators in rectal anomalies on both sides of the Atlantic, 149
Biopsy, renal, in recurrent haematuria, 299
Birth weight, low, and deafness, 272
Blood gas, and metabolic studies in plasma cell pneumonia and in newborn prematures with respiratory distress, 473
—— groups A and O, comparative susceptibility of children of, to adenovirus infection, 301
—— supply of the oesophagus in relation to oesophageal atresia, 131
BODIAN, M., *see* MARSHALL, W. C., *et al.*
BOISSONNAT, P.: Two 'hopeless' urological cases in infants, 190
Bone, lesions, after smallpox, 591
BONHAM CARTER, R. E., and SUTCLIFFE, J.: A syndrome of multiple arterial stenosis in association with the severe form of idiopathic hypercalcaemia, 418
BOOK REVIEWS: ACKERMANN, L. V. and MURRAY, J. F., *eds.*: Symposium on Kaposi's sarcoma, Monograph Number two of the African Cancer Committee of International Union against Cancer, 1963, 430; AGRANOWITZ, A. and MCKEOWN, M. R.: Aphasia handbook for adults and children, 427; ANACKER, H., *et al.*, *eds.*: Klinische Röntgendiagnostik innerer Krankheiten. Band I. Thorax, 1963, 312; ARMSTRONG, I. L. and BROWDER, J. J.: The nursing care of children, 2nd ed., 1964, 531; AUTGAERDEN, A-T. and S.: La locomotion de la vie foetale à la vie post-natale; Réflectivité-réactivité des sens à la psychomotilité, 1963, 207; AVERY, M. E.: The lung and its disorders in the newborn infant, 1964, 531; BAAR, H. S., *et al.*: Disorders of blood and blood-forming organs in childhood, 1963, 107; BARNETT, T. and FOLEY, J. J., *eds.*: The obstetrician, anaesthetist, and the paediatrician in the management of obstetric problems, 1963, 106; BATTIN, R. R. and HAUG, C. O.: Speech and language delay. A home training program, 1964, 428; BAX, M. and MITCHELL, R.; *eds.*: Acute hemiplegia in childhood. A report of a study group held at Clevedon, April 20-21, 1961, 1962, 309; BOURNE, G. H. and GOLARZ, M. N., *eds.*: Muscular dystrophy in man and animals, 1963, 210; BURGER-WAGNER, A.: Quadrupédie et traitement des scolioses, 2nd ed., 1963, 305; BUTLER, N. R. and BONHAM, D. G.: Perinatal mortality, 1963, 533; COLIN, J. and POLONOVSKI, C.: Exploration biologiques en pédiatrie, 2nd ed., 1963, 211; COURT BROWN, W. M. *et al.*: Abnormalities of the sex chromosome complement in man, 1964, 648; COURT, S. D. M., *ed.*: The medical care of children, 1963, 106; CRITCHLEY, M.: Developmental dyslexia, 1964, 428; DELACATO, C. H.: The diagnosis and treatment of speech and reading problems, 1963, 208; DESANCTIS, A. G. and VARGA, C.: Handbook of pediatric medical emergencies, 3rd ed., 1963, 212; DEWHURST, C. J.: Gynaecological disorders of infants and children, 1963, 107; DRILLIEN, C. M.: The growth and development of the prematurely born infant, 1964, 306; DURAND, P., *ed.*: Disorders due to intestinal defective carbohydrate

digestion and absorption, 1964, 530; EIDINOVA, M. B. and PRAVDINA-VINARSKAYA, Y. N.: Cerebral palsy in children and its treatment, 1963, 209; FABIA, J., Seminar on the prevention on antenatal and perinatal cerebral lesions, *Modern problems in pediatrics, VIII*, 1963, 308; FANCONI, G. and WALLGREN, A.: Lehrbuch der Pädiatrie, 7th ed., 1963, 647; FIORENTINO, M. R.: Reflex testing methods for evaluating C.N.S. development, 1963, 210; FISCHER, K.: Morbus haemolyticus neonatorum in ABO-system, 1961, 107; FOIS, A.: Clinical electroencephalography in epilepsy and related conditions in children, 1963, 210; GUSTOVSON, K.-H.: Down's syndrome. A clinical and cytogenetical investigation, 1964, 648; HARMS, E., *ed.*: Somatic and psychiatric aspects of childhood allergies, 1963, 308; HARRIS, G. M.: Language for the pre-school deaf child, 2nd ed., 1963, 427; HARTUNG, K., *ed.*: Praktikum der Schutzimpfungen, 1962, 212; HOBSON, W.: World health and history, 1963, 534; ILLINGWORTH, R. S.: The normal child. Some problems of the first five years and their treatment, 3rd ed., 1964, 646; INGRAM, T. T. S.: Paediatric aspects of cerebral palsy, 1964, 529; JENTSHURA, G., *et al.*: Behandlung und Versorgung bei Fehibidungen und Amputationen der oberen Extremität, 1963, 532; JOLLY, H.: Diseases of children, 1964, 426; KEITH, H. M.: Convulsive disorders in children with reference to treatment with ketogenic diet, 1963, 308; KLOSOVSKII, B. N.: The development of the brain and its disturbance by harmful factors, 1963, 430; LEVINE, S. Z., *ed.*: Advances in pediatrics, Volume XIII, 1964, 528; LIGHTWOOD, R. and BRIMBLECOMBE, F. S. W.: Donald Paterson's sick children: diagnosis and treatment, 8th ed., 1963, 307; LINCOLN, E. M. and SEWELL, E. M.: Tuberculosis in children, 1963, 211; LIND, J., *et al.*: Human foetal and neonatal circulation, 1964, 646; LIVINGSTON, S.: Living with epileptic seizures, 1963, 309; LOEB, H.: Contribution à l'étude du métabolisme énergétique de l'enfant, 1963, 311; LURIA, A. R., *ed.*: The mentally retarded child. Essays based on a study of the higher nervous functioning of child-oligophrenics, 1963, 206; LYMAN, F. L., *comp.* and *ed.*: Phenylketonuria, 1963, 108; MCLAREN, D. S.: Malnutrition and the eye, 108; MASON, S. E.: Signs, signals and symbols. A presentation of a British approach to speech pathology and therapy, 1963, 533; MATTHEWS, W. B.: Practical neurology, 1963, 207; MERCER, W. and DUTHIE, R. B.: Orthopaedic surgery, 6th ed., 1964, 430; MILLER, F. J. W., SEAL, R. M. E., and TAYLOR, M. D.: Tuberculosis in children. Evolution-control-treatment, 1963, 311; MORISON, J. E.: Foetal and neonatal pathology, 2nd ed., 1963, 426; MÜLLER, G. and LETTERER, E.: Pathologische Anatomie und Dynamik. Der Plötzliche Kindstod, 1963, 310; O'CONNOR, N. and HERMELIN, B.: Speech and thought in severe subnormality, 1963, 533; OPITZ, H. and SCHMID, F., *eds.*: Handbuch der Kinderheilkunde. Vol. 5. Infektionskrankheiten, 1963, 428; Paediatric Societies in the British Isles, listed, 304; PATTON, G. and GARDNER, L. I.: Growth failure in maternal deprivation, 1963, 208; PRECHTH, H. and BEINTEMA, D.: The neurological examination of the full-term newborn infant. A manual for clinical use from the Department of Experimental Neurology, University of Groningen, 1964, 529; PROCEEDINGS of the second symposium of water and electrolyte metabolism, Amsterdam, 1963, 530; SCHREIER, K., *et al.*: Die angeborenen Stoffwechselanomalien, 1963, 530; ROBERTS, J. A. F.: An introduction to medical genetics, 3rd ed., 1963, 210; ROBINSON, P., *ed.*: A manual of paediatrics for students and practitioners in South East Asia, 1963, 307; ROSAR, V. W.: Perthes and Parents. The care of your child with Legg-Calvé-Perthes disease, 1963, 312; ROSSI, E., *ed.*: Kinderpsychiatrie in der Praxis. Postgraduate courses in pediatrics, 1963, 310; ROSSI, E., *ed.*: Neue Probleme bei Infektionskrankheiten des Kindes. Postgraduate Courses in Paediatrics, Vol. 10, 1964, 429; ROSSI, R., *ed.*: Magen-Darm Erkrankungen bei Kindern, Postgraduate courses in Pediatrics, 1963, 311; ROYER, P., MATHIEU, H., and HABIB, R.: Problèmes actuels de néphrologie infantile, 1963, 429; SCHNEER, H. I., *ed.*: The asthmatic child. Psychosomatic approach to problems and treatment, 1963, 209; SCHOEN, R. and SÜDHOF, H., *eds.*: Biochemical findings in the differential diagnosis of internal diseases, 1963, 311; SHIRKEY, H. C., *ed.*: Pediatric therapy, 1964, 647; SLOBODY, L. B. and WASSERMAN, E.: Survey of clinical paediatrics, 1963, 307; SMITHELLS, R. W.: The early diagnosis of congenital abnormalities, 1963, 306; SPEER, F., *ed.*: The allergic child, 1964, 534; UNTERHARNSCHEIDT, F.: Die gedeckten Schaden des Gehirns, 1963, 310; WEBER, E. W.: Mentally retarded children and their education, 1963, 206; WEBSTER, R., *ed.*: Congenital malformations of the rectum, anus and genito-urinary tracts, 1963, 532; WHETNALL, E. and FRY, D. B.: The deaf child, 1964, 427; WIESENER, H., *ed.*: Einführung in die Entwicklungsphysiologie des Kindes, 1964, 530; WILKINSON, A. W.: Recent advances in paediatric surgery, 1963, 305; WUNDERLICH, C.: Die Psychodiagnostik des Organisch Hirngeschädigen Kindes, 1963, 207; Year book of pediatrics, 1963-64, 307

Bradford scheme for early maternity discharge, 419

Brain, changes in, associated with pulmonary hyaline membrane, 301

BRETT, E. M., *et al.*: Congenital dopamine-secreting neuroblastoma with clinical and biochemical remission, 403

BRIMBLECOMBE, F. S. W. and DOWNES, L. W.: Learning difficulties in intelligent children, 419

British Paediatric Association, Proceedings of the 35th Annual Meeting, 415

—— —— ——, Education Standing Committee, Careers in paediatrics, 421

—— —— ——, The machinery of the B.P.A., 420

British Association of Paediatric Surgeons, 10th Annual Meeting, 204

BROWN, G. A., *see* LLOYD, J. K., and BROWN, G. A.

BROUGHTON, P. M. G., *see* WARREN, C. B. M. and BROUGHTON, P. M. G.

BRUSH, M. G., *see* HAMILTON, W. and BRUSH, M. G.

BURGESS, E. A., LEVIN, B., MAHALANABIS, D., and TONGE, R. E.: Hereditary sucrose intolerance: levels of sucrase activity in jejunal mucosa, 431

BURKINSHAW, J.: Subsequent infection of infants born in a maternity hospital, 485

BURROWS, E. H., *see* ALLEN, R. P. and BURROWS, E. H.

CACHIA, E. A., and FENECH, F. F.: Kerosene poisoning in children, 502

Calculi, renal, vitamin D hypersensitivity causing, in twins, 300

CALLAGHAN, R. P., and NIXON, H. H.: Megarectum: physiological observations, 153

CAMERON, A. H.: Renal biopsy in recurrent haematuria, 299

——, *see also* PANTELAKIS, S. N., *et al.*

Catecholamine metabolites in neural tumours, determination, 168

CAVELL, P. A. and WIDDOWSON, E. M.: Intakes and excretions of iron, copper, and zinc in the neonatal period, 496

Chloride and sodium concentration, effect of experimental salt depletion and aldosterone load on, in sweat, cystic fibrosis of pancreas and normal, 61
CHOREMIS, C., THEODOROU, S., ATHANASIADES, TH., and KATERELOS, H.: Spontaneous elimination of inhaled grass inflorescences through the lung and chest wall, 406
Chromosomes, 13-15, trisomy syndrome, and arrhinencephaly, 302
——, 17-18 trisomy syndrome, with phocomelia, exomphalos and agenesis of hemidiaphragm, 519
Cirrhosis, familial hepatic copper storage disease, variant of Wilson's disease, 14
CLAIREAUX, A. E.: Partial organization of hyaline membrane, 419
CLAMP, J. R.: *see* KOMROWER, G. M., *et al.*
CLARK, N. S. and BEST, P. V.: Subacute sclerosing (inclusion body) encephalitis, 356
CLAYTON, B. E., *see* BEILIN, L. J. and CLAYTON, B. E.
see CREAK, E. M., *et al.*
see MONCRIEFF, A. A., *et al.*
COCKER, J., *see* FOX, H. and COCKER, J.
Cold, abnormal reactions in infants with hypothermia, 419
Copper excretion, basal, in Wilson's disease, 265
——, iron, and zinc, intakes and excretions in neonatal period, 496
—— storage disease, familial hepatic, variant of Wilson's disease, 14
Cord, umbilical, use of elastic band to prevent haemorrhage, 630
CORT, R. L. and PŘIBYLOVÁ, H.: Placental transfusion and fluid metabolism on the first day of life, 363
Corticotropin, adrenal responsiveness to, 420
CRAIG, R. D. P.: Neurilemmoma of the tongue, 297
CREAK, E. M., ROBERTS, G. E., and CLAYTON, B. E.: Three mentally retarded girls of similar appearance, 384
CUMINGS, J. N., *see* MASTERS, P. L., *et al.*
Cystic fibrosis of pancreas, effect of experimental salt depletion and aldosterone load on sodium and chloride concentration in sweat of patients with, and normal children, 61
Cysto-urethrography, micturition, in urinary tract diseases, 95

DAVIDSON, S., *see* PANTELAKIS, S. N., *et al.*
DAWKINS, M. J. R. and HULL, D.: The function of brown fat in newborn animals, 419
DE HALLER, A., *see* SIEGENTHALER, P., *et al.*
DE ROM, R.: Intrauterine hypoxia in twin deliveries, 302
Deafness in children of very low birth weight, 272
DELIVORIA-PAPADOPOULOS, M. and SWYER, P. R.: Assisted ventilation in terminal hyaline membrane disease, 481
DENNISS, R. G., *see* SWEETNAM, W. P., *et al.*
DENT, C. E. and FRIEDMAN, M.: Hypercalcuric rickets associated with renal tubular damage, 240
—— and NORMAND, I. C. S.: Metaphysial dysostosis, type Schmid, 444
Dermatomyositis, acute, presenting with pulmonary manifestations, 293
DEVLIN, J. G.: Vitamin D hypersensitivity as a cause of renal calculi in twins, 300
Dextran, use in study of heart lymph, 182
Diabetes, serum lipids, in maternal and umbilical cord blood, and study of uterine and placental vasculature, 334
——, —— —— in umbilical cord blood and in normal, 342
Diaphragm, alloplastic closure of defects, Teflon, Dacron, and Marlex meshes, 161
Diarrhoeas, chronic, in infancy and childhood, I: D-xylose tolerance test, 79
Diastematomyelia, critical survey of 24 cases submitted to laminectomy, 125
Discharge, early maternity, Bradford scheme, 419
DOOREN, L. J., *see* VAN GELDEREN and DOOREN, L. J.
DOWNES, L. W., *see* BRIMBLECOMBE, F. S. W. and DOWNES, I. W.
DOXIADIS, S. A. and VALAES, T.: The clinical picture of glucose 6-phosphate dehydrogenase deficiency in early infancy, 545
—— *see also* KALPAKTSOGLOU, P., DOXIADIS, S., and MATTHEW, P.
DUBOWITZ, L. M. S. and DUBOWITZ, V.: Acute dermatomyositis presenting with pulmonary manifestations, 293
DUBOWITZ, V.: Acute monocytic leukaemia with response to methotrexate, 289
——, *see also* DUBOWITZ, L. M. S. and DUBOWITZ, V.
DUDGEON, J. A.: Laboratory studies on rubella, 300
DUNN, P. M. and MACGREGOR, M. E.: Infant and child mortality in South Warwickshire, 1962-63, 492
——, *see also* PANTELAKIS, S. N., *et al.*
DUTZ, W., *see* POST, C., *et al.*
Dwarfism, hypopituitary, effect of human growth hormone on, 535
Dysostosis, metaphysial, type Schmid, 444

EECKELS, R., VINCENT, J., and SEYNHAEVE, V.: Bone lesions due to smallpox, 591
Elastic band to prevent haemorrhage from the umbilical cord, 630
Electroencephalograms, in children with infantile spasms (West's syndrome) treated with ACTH, 564
ELLIOTT, R. B., STOKES, E. J., and MAXWELL, G. M.: Ampicillin in paediatrics, 101
EMERY, J. L.: Effect of continual decompression using Holter valve on weights of cerebral hemispheres in children with hydrocephalus and spina bifida cystica, 379
—— Hypertrophic glomeruli in dysplastic kidneys, 300
—— *see also* FOX, H., *et al.*
Emphysema, interstitial, in newborn, 236
Encephalitis, subacute sclerosing (inclusion body), 356
Epidermal necrolysis, toxic intrapartum, 517
Exomphalos, phocomelia and agenesis of hemidiaphragm in probable 17-18 trisomy syndrome, 519

Fat, brown, function in newborn animals, 419
FEHÉR, T., *see* KÁDAR, A., *et al.*
FENECH, F. F., *see* CACHIA, E. A. and FENECH, F. F.
FISHER, M. M. and SHERLOCK, S.: Familial hepatic copper storage disease: a variant of Wilson's disease, 14
Fissure, vesico-intestinal, 204
Fistula, double tracheo-oesophageal, with oesophageal atresia, 138
Fluid metabolism, and placental metabolism on the first day of life, 363
Foramen ovale, prenatal closure, 301
FORD, J. D., *see* THEODORE, G. M., *et al.*
FOSBROOKE, A. S., *see* PANTELAKIS, S. N., *et al.*
FOX, H. and COCKER, J.: Laryngeal atresia, 641
——, EMERY, J. L., GOODBODY, R. A., and YATES, P. O.: Neuro-cutaneous melanosis, 508
—— and YATES, P. O.: Neuro-cutaneous melanosis, 301
FRIEDMAN, M., *see* DENT, C. E. and FRIEDMAN, M.

GAJL-PECZALSKA, K.: Plasma protein composition of hyaline membrane in the newborn as studied by immunofluorescence, 226, 301
Galactose tolerance test, intravenous, in infancy, 505
GALPINE, J. F., *see* SHINTON, N. K., *et al.*
Gargoylism, relationship to Tay-Sachs disease with visceral involvement, 634
Glomeruli, hypertrophic, in dysplastic kidneys, 300
Glomerulonephritis, acute, in East African children, clinico-pathological study, 313

Glucose 6-phosphate-dehydrogenase deficiency, clinical picture in early infancy, 545
—— tolerance in neonatal period and during first six months of life, 393
Glycogen reserves of the foetus and neonate with histological observations, 301
Glycogenosis, cardiac, sibs with, 523
GOLDIE, W., *see* ALLIBONE, E. C., *et al.*
GOODBODY, R. A., *see* FOX, H., *et al.*
GOUGH, M.: Lymphangiography in children, 177
Granuloma, eosinophilic, and Letterer-Siwe disease, 302
Grasses, inhaled, spontaneous elimination through lung and chest wall, 406
GREGORIOU, M., *see* METZ, H., *et al.*
GROTTE, G., *see* ARESKOG, N. H., *et al.*

Haematuria, recurrent, renal biopsy in, 299
HALL, E. G., Observations on Pasteurella pseudotuberculosis infection in childhood, 420
HAMILTON, W.: An appraisal of adrenocortical responsiveness to corticotropin, 420
—— and BRUSH, M. G.: Four clinical variants of congenital adrenal hyperplasia, 66
HAMPAI, A., *see* SIEGEMATHALER, P., *et al.*
HARRIS, R.: Some EEG observations in children with infantile spasms treated with ACTH, 564
HAWORTH, J. C., *see* THEODORE, G. M., *et al.*
Heart lymph, studies on, using dextran, 182
Hemidiaphragm, agenesis, phocomelia and exomphalos, in probable 17-18 trisomy syndrome, 519
Hemispheres, cerebral, weights, effect of continual decompression using Holter valve on, in hydrocephalus and spina bifida cystica, 379
Hernias, hiatal, natural evolution, 143
HEWSTONE, A. S., *see* LAWSON, J. S. and HEWSTONE, A. S.
Hiatal hernias, natural evolution, 143
HILL, J. R.: Abnormal reactions to cold in infants with hypothermia, 419
Hirschsprung's disease, new surgical technique, 116
—— ——, review article, 109
Histidine decarboxylase in hyaline membrane disease, 73
Histiocytosis, with extensive pulmonary involvement, 302
HJELT, L.: Congenital nephrosis, 300
HODSON, C. J.: Chronic pyelonephritis in children, 420
HOLLOWAY, R., *see* ADAMS, E. B., *et al.*
HOLT, K. S.: The policy of the Association with regard to other societies, particularly new ones that are concerned with some aspect of paediatrics, 420
Holter valve and weight of cerebral hemispheres in hydrocephalus and spina bifida cystica, 379
Hormone, human growth, effect on hypopituitary dwarfism, 535
——, —— ——, studies on, 420
HUGHES, E. A., STEVENS, L. H., and WILKINSON, A. W.: Some aspects of starvation in the newborn baby, 598
HULL, D., *see* DAWKINS, M. J. R. and HULL, D.
HUSSAIN, Z., *see* INSLEY, J. and HUSSAIN, Z.
HUTT, M. S. R. and WHITE, R. H. R.: A clinicopathological study of acute glomerulonephritis in East African children, 313
Hyaline membrane disease, histidine decarboxylase in, 73
—— —— ——, terminal, assisted ventilation in, 481
—— ——, partial organization of, 419
—— ——, plasma protein composition in newborn, immunofluorescence, 226, 301
—— ——, pulmonary, changes in brain associated with, 301
Hydrocephalus, effect of continual decompression using Holter valve on weights of cerebral hemispheres in, 379
——, today's problems, use of ventriculo-atrial shunts, 58
Hydroxykynureninuria, case of abnormal tryptophan metabolism probably due to deficiency of kynureninase, 250
Hypercalcaemia, idiopathic, severe form, associated with multiple arterial stenosis, 418
Hypercalcuria, idiopathic, in a child, 409
Hyperglycaemia, idiopathic neonatal, 618
Hyperglycinaemia, and hyperglycinuria in a newborn infant, 397
Hyperplasia, congenital adrenal, 324
——, —— —— for clinical variants, 66
Hypogammaglobulinaemia, congenital, and *Pneumocystis carinii* pneumonia, 18
Hypoglycaemia, with Wilm's tumour, 197
Hypolipidaemia in childhood, 419
Hypophosphatasia, metabolic disease with important dental manifestations, 584
Hypothermia, abnormal reactions to cold in infants with, 419
Hypoxia, in live newborn babies, macroscopic study of placenta in, and in normal, 301
——, intrauterine, in twin deliveries, 302

ILLIG, R., *see* PRADER, A., *et al.*
Immunofluorescence, plasma protein composition of hyaline membrane in the newborn as studied by immunofluorescence, 226, 301
Incontinence, faecal, functional, in children, 465
Infection, subsequent, infants born in maternity hospital, 485
Inflorescences, inhaled grass, spontaneous elimination through lung and chest wall, 406
INGOMAR, C. J., MULLERTZ, S., and TERSLEV, E.: Chronic diarrhoeas in infancy and childhood, 79
INSLEY, J. and HUSSAIN, Z.: Listerial meningitis in infancy, 278
Intrapartum toxic epidermal necrolysis, 517
Iran, South, endemic *Pneumocystis carinii* pneumonia in, 35
Iron, copper and zinc, intakes and excretions in neonatal period, 496
ISAACSON, C., *see* STEIN, H., *et al.*
ITAKURA, K., *see* KAJII, T., *et al.*

JAKAB, T., *see* SZÖTS, I. and JAKAB, T.
JAMES, C. C. M. and LASSMAN, L. P.: Diastematomyelia, a critical survey of 24 cases submitted to laminectomy, 125
Jaundice, neonatal, of unknown aetiology, incidence and possible relation to athetosis, 85
JONES, K. V., *see* BERG, I. and JONES, K. V.

KÁDÁR, A., FEHÉR, T., and KOREF, O.: Urinary excretion of individual 17-ketosteroids by normal children, 257
KAJII, T., OIKAWA, K., ITAKURA, K., and OHSAWA, T.: A probable 17-18 trisomy syndrome with phocomelia, exomphalos and agenesis of hernidiaphragm, 519
KALPAKTSOGLOU, P., DOXIADIS, S., and MATTHEW, P.: Macroscopic study of the placenta in 357 normal and 135 hypoxic live newborn babies, 301
KASER, H., BETTEX, M., and STUDNITZ, W. v.: Further observations on the determination of catecholamine metabolites in tumours of sympathetic nervous system, 169
KATERELOS, H., *see* CHOREMIS, C., *et al.*
KEMP, F. H., *see* ARDRAN, G. M., *et al.*
KENDALL, A. C., *see* SHINTON, N. K., *et al.*
KERPEL-FRONIUS, E., VARGA, F., and BATA, G.: Blood gas and metabolic studies in plasma cell pneumonia and in newborn prematures with respiratory distress, 473
Kerosene poisoning in children, 502
17-Ketosteroids, individual, urinary excretion in normal children, 257

Kidneys, dysplastic, hypertrophic glomeruli in, 300
——, two 'hopeless' urological cases in infants, 190
——, *see also* Biopsy, renal; Renal disease
KILGER, K., *see* SOPER, R. T., and KILGER, K.
KOMROWER, G. M., WILSON, V., CLAMP, J. R., and WESTALL, R. G.: Hydroxykynureninuria. A case of abnormal tryptophan metabolism probably due to a deficiency of kynureninase, 250
KONRAD, R. M.: Alloplastic closure of defects in growing organisms, 161
KOOP, C. E.: Experiences with 100 neuroblastomas in infancy and childhood, 204
KOREF, O., *see* KÁDÁR, A., *et al.*
KOUMIDES, O. P., *see* MONCRIEFF, A. A., *et al.*
Kynureninase deficiency, causing abnormal tryptophan metabolism, hydroxykynureninuria, 250

Laminectomy, critical survey of 24 cases submitted to, 125
LANGLEY, F. A.: Changes in the brain associated with pulmonary hyaline membrane, 301
Laryngeal atresia, 641
LARSSON, Y., *see* VON EULER, U., *et al.*
LASSMAN, L. P., *see* JAMES, C. C. M. and LASSMAN, L. P.
LAURENCE, K. M.: Arrhinencephaly and trisomy of the 13-15 chromosomes, 302
——: The natural history of spina bifida cystica, detailed analysis of 407 cases, 41
LAWSON, J. S. and HEWSTONE, A. S.: Microscopic appearance of urine in neonatal period, 287
Lead poisoning in children, 1
Learning difficulties in intelligent children, 419
Letterer-Siwe disease, and eosinophilic granuloma, 302
Leucodystrophy, familial, 345
Leukaemia, acute monocytic, response to methotrexate, 289
LEVIN, B., *see* BURGESS, E. A., *et al.*
LEWIS, G. M. and SUTHERLAND, T. W.: Sibs with cardiac glycogenosis, 523
LEWIS, S. R. and MORTIMER, P. E.: Idiopathic neonatal hyperglycaemia, 618
LINDBJERG, I. F.: Juvenile rheumatoid arthritis, a follow-up of 75 cases, 576
Lipase deficiency, congenital pancreatic, 268
Lipids, serum, in maternal and umbilical cord blood, diabetic pregnancy, 334
——, ——, low, and hypolipidaemia, in childhood, 419
LISTER, J.: The blood supply of the oesophagus in relation to oesophageal atresia, 131
Listerial meningitis in infancy, 278
Lithiasis, bilateral multiple, in one infant, 190
LLOYD, J. K.: Hypolipidaemia in childhood, 419
—— and BROWN, G. A.: Homozygous thalassaemia in an English child, 625
—— *see also* PANTELAKIS, S. N., *et al.*
LOUTFI, A. H., *et al.*: Hypoglycaemia with Wilms' tumour, 197
Lymph, heart, studies on, using dextran, 182
Lymphangiography in children, 177

MCDONALD, A.: Deafness in children of very low birth weight, 272
MACDONALD, W. B., *see* MASTERS, P. L., *et al.*
MACGREGOR, M. E., *see* DUNN, P. M. and MACGREGOR, M. E.
MCLEAN, M. M.: Haemolytic anaemia and nephropathy without thrombocytopenia, 420
MAHALANABIS, D., *see* BURGESS, E. A., *et al.*
MALINS, J. M., *see* PANTELAKIS, S. N., *et al.*
MARMION, B. P., *see* ALLIBONE, E. C., *et al.*
MARSDEN, H. B.: Aneurysm in the renal artery, 300
—— Prenatal closure of the foramen ovale, 301
MARSHALL, W. C., WESTON, H. J., and BODIAN, M.: *Pneumocystis carinii* pneumonia and congenital hypogammaglobulinaemia, 18
MASTERS, P. L., MACDONALD, W. B., RYAN, M. M. P., and CUMINGS, J. N.: Familial leucodystrophy, 345
Maternity hospital, subsequent infection of infants born in, 485
MATHEWS, J. and PARTINGTON, M. W.: The plasma tyrosine levels of premature babies, 371
MATTHEW, P., *see* KALPAKTSOGLOU, P., *et al.*
MAXWELL, G. M., *see* ELLIOTT, R. B., *et al.*
Megarectum, physiological observations, 153
MEHREZ, I., *see* LOUTFI, A. H., *et al.*
Melanosis, neuro-cutaneous, 301, 508
Meningitis, Listerial, in infancy, 278
——, tuberculous, sequelae, 213
Mentally retarded children, analyses and findings, 419
—— —— girls, three, of similar appearance, 384
Metabolites, catecholamine, in neural tumours, determination, 168
Methotrexate, acute monocytic leukaemia responding to, 289
METZ, H., GREGORIOU, M., and SANDIFER, P.: Subacute sclerosing pan-encephalitis, a review of 17 cases with special reference to clinical diagnostic criteria, 554
Micturition cysto-urethrography in urinary tract diseases, 95
MITCHELL, R. G.: Histidine decarboxylase in hyaline membrane disease, 73
MONCRIEFF, A. A., KOUMIDES, O. P., CLAYTON, B. E., PATRICK, A. D., RENWICK, A. G. C., and ROBERTS, G. E.: Lead poisoning in children, 1
Mortality, infant and child, in South Warwickshire, 1962-63, 492
MORTIMER, J. G.: Cord blood lipids of normal infants and infants of diabetic mothers, 342
MORTIMER, P. E., *see* LEWIS, S. R. and MORTIMER, P. E.
Mucosa, jejunal, levels of sucrase activity in, and hereditary sucrose intolerance, 431
MULLER, A. F., *see* SIEGENTHALER, P., *et al.*
MULLERTZ, S., *see* INGOMAR, C. J., *et al.*

NASARIAN, I., *see* POST, C., *et al.*
NELIGAN, G. A.: The term of office of the President of the B.P.A., 420
——, PARKIN, J. M., and PAUL, C.: The use of an elastic band to prevent haemorrhage from the umbilical cord, 630
Nephropathy, and haemolytic anaemia without thrombocytopenia, 420
Nephrosis, congenital, 300
Nervous system, sympathetic, tumours, determination of catecholamine metabolites, 168
Neurilemmoma of the tongue, 297
Neuroblastoma(s), 100 cases in infancy and childhood, 204
——, dopamine-secreting, congenital, with clinical and biochemical remission, 403
NEVILLE, J. G., *see* TODD, R. M. and NEVILLE, J. G.
NEWMAN, C. G. H., *see* NORMAN, R. M., *et al.*
NEWNS, G. H., *see* RAITI, S. and NEWNS, G. H.
NIXON, H. H.: Hirschsprung's disease, review article, 109
—— and CALLAGHAN, R. P.: Ano-rectal anomalies: physiological considerations, 158
——, *see also* CALLAGHAN, R. P. and NIXON, H. H.
NORMAN, R. M., TINGEY, A. H., NEWMAN, C. G. H., and WARD, S. P.: Tay-Sachs disease with visceral involvement and its relation to gargoylism, 634
NORMAND, I. C. S., *see* DENT, C. E. and NORMAND, I. C. S.

Oesophagus, atresia with double tracheo-oesophageal fistula, 138
OHSAWA, T., *see* KAJII, T., *et al.*
OIKAWA, K., *see* KAJII, T., *et al.*
OPPÉ, T. E., *see* BRETT, E. M., *et al.*
Osteomyelitis variolosa, and smallpox, 591

Paediatric Pathology Club, proceedings of the 9th Annual Meeting, 299
Paediatrics, careers in, 421
PAMPIGLIONE, G.: Polymyographic studies of some involuntary movements in subacute sclerosing pan-encephalitis, 558
——, West's syndrome (infantile spasms)—a polymyographic study, 571
Pan-encephalitis, subacute sclerosing, review of 17 cases, clinical diagnostic criteria, 554
——, —— ——, polymyographic studies of some involuntary movements, 558
Pancreas, congenital pancreatic lipase deficiency, 268
——, rupture, treatment, 187
PANTELAKIS, S. N., *et al.*: The diabetic pregnancy. A study of serum lipids in maternal and umbilical cord blood and of the uterine and placental vasculature, 334
PARKIN, J. M., *see* NELIGAN, G. A., *et al.*
PARRY, T. E.: Histiocytosis with extensive pulmonary involvement, 302
PARTINGTON, M. W., *see* MATHEWS, J. and PARTINGTON, M. W.
Pasteurella pseudotuberculosis infection, observations, 420
PATRICK, A. D., *see* MONCRIEFF, A. A., *et al.*
PAUL, C., *see* NELIGAN, G. A., *et al.*
PERSSON, B., *see* VON EULER, U., *et al.*
Phocomelia, exomphalos, and agenesis of hemidiaphragm in probable 17-18 trisomy syndrome, 519
PIK, C., *see* VISSER, H. K. A., *et al.*
Placenta, macroscopic study in 357 normal and 135 hypoxic live newborn babies, 301
——, transfusion, and fluid metabolism on the first day of life, 363
——, vasculature, in diabetic pregnancy, 334
Pneumocystis carinii pneumonia, and congenital hypogammglobulinaemia, 18
—— —— ——, endemic, in South Iran, 35
—— —— ——, and progressive vaccinia in siblings, 26
Pneumonia, plasma cell, blood gas and metabolic studies in, and in newborn prematures with respiratory distress, 473
Poisoning, kerosene, in children, 502
——, lead, in children, 1
Polymyography, of infantile spasms, 571
——, in subacute sclerosing pan-encephalitis, 558
Polyps, juvenile, 166
POST, C., DUTZ, W., and NASARIAN, I.: Endemic *Pneumocystis carinii* in South Iran, 35
POTTER, C. W., *see* SHEDDEN, W. I. H. and POTTER, C. W.
PRADER, A.: Studies on the effect of human growth hormone, 420
——, ILLIG, R., SZÉKY, J., and WAGNER, H.: The effect of human growth hormone in hypopituitary dwarfism, 535
Premature babies, plasma tyrosine levels, 371
PROSSER, R.: Interstitial emphysema in the newborn, 236
Protein, plasma, composition of hyaline membrane in newborn, immunofluorescence, 226, 301
Pseodotuberculosis, Pasteurella, infection, observations, 420
Pulmonary manifestations, presenting with acute dermatomyositis, 293
—— tension disorders, indications for urgent operations in childhood, 172
—— vessels, 'adult pattern' in newborn infants, 232
Pyelonephritis, chronic, in children, 420
Pyonephrosis, bilateral, one case, 190

RAITI, S. and NEWNS, G. H.: Congenital adrenal hyperplasia, 324
Rectum, anomalies, ano-rectal, physiological considerations, 158
——, ——, common deminators, on both sides of Atlantic, embryology and nomenclature, 149
——, ——, megarectum, physiological observations, 153
REHBEIN, F.: Oesophageal atresia with double tracheo-oesophageal fistula, 138
Renal disease, acute, with haemolytic anaemia, 455
—— tubular damage, and hypercalcuric rickets, 240
RENWICK, A. G. C., *see* MONCRIEFF, A. A., *et al.*
Respiration, intermittent positive-pressure, modifications in method of treating tetanus neonatorum with, 92
Respiratory distress, assisted ventilation in, 481
—— ——, in newborn prematures, blood gas and metabolic studies in, and in plasma cell penumonia, 473
Rheumatoid arthritis, juvenile, follow-up of 75 cases, 576
Rickets, hypercalcuric, associated with renal damage, 240
RITCHIE, G. M.: Hypophosphatasia, a metabolic disease with important dental manifestations, 584
ROBERTS, E. G. G.: Maintaining regional representation on the B.P.A. Council, 420
ROBERTS, G. E.: Some findings arising out of a survey of mentally retarded children, 419
——, *see also* CREAK, E. M., *et al.*
MONCRIEFF, A. A., *et al.*
ROVIRALTA, E.: The natural evolution of hiatal hernias, 143
Rubella, laboratory studies, 300
Rupture, pancreatic, treatment, 187
RUTHVEN, C. R. J., *see* BRETT, E. M., *et al.*
RYAN, M. M. P., *see* MASTERS, P. L., *et al.*

Salt depletion and aldosterone load on sodium and chloride concentration in sweat, cystic fibrosis of pancreas and normal, 61
SANDIFER, P., *see* METZ, H., *et al.*
SANDLER, M., *see* BRETT, E. M., *et al.*
SCORER, C. G.: The descent of the testis, 605
SCOTT, J. M.: Glycogen reserve of the foetus and neonate with histological observations, 301
SEYNHAEVE, V., *see* EECKELS, R., *et al.*
SHAHBENDER, S., *see* LOUTFI, A. H., *et al.*
SHEDDEN, W. I. H. and POTTER, C. W.: The comparative susceptibility to adenovirus infection of children of blood groups A and O, 301
SHELDON, W.: Congenital pancreatic lipase deficiency, 268
SHERLOCK, S., *see* FISHER, M. M. and SHERLOCK, S.
SHINER, M. H., *see* STEIN, H., *et al.*
SHINTON, N. K., GALPINE, J. F., KENDALL, A. C., and WILLIAMS, H. P.: Haemolytic anaemia with acute renal disease, 455
SIEGENTHALER, P., DE HALLER, J., DE HALLER, R., HAMPAÏ, A., and MULLER, A. F.: Effect of experimental salt depletion and aldosterone load on sodium and chloride concentrations in the sweat of patients with cystic fibrosis of the pancreas and of normal children, 61
SOAVE, F.: Hirschsprung's disease: a new surgical technique, 116
Sodium and chloride concentration, effect of experimental salt depletion and aldosterone load on, in sweat, cystic fibrosis of pancreas and normal, 61
SOPER, R. T. and KILGER, K.: Vesico-intestinal fissure, 204
Spasms, infantile, treated by ACTH, EEG observations, 564
——, ——, polymyography, 571
Spina bifida cystica, effect of continual decompression with Holter valve on weights of cerebral hemispheres in, 379
—— —— ——, natural history, detailed analysis of 407 cases, 41
—— —— occulta, diastematomyelia associated with, 24 cases submitted to laminectomy, 125

Staphylococcus, subsequent infection, infants born in a maternity hospital, 485
Starvation, in newborn, 598
STEIN, H., SHINER, M. H., WAYBURNE, S., and ISAACSON, C.: Cardiomyopathy in African children, 610
Stenosis, multiple arterial, associated with the severe form of idiopathic hypercalcaemia, 418
STEVENS, L. H., *see* HUGHES, E. A., *et al.*
STEWARD, J. K., *see* WHITE, L. L. R. and STEWARD, J. K.
STOKES, E. J., *see* ELLIOTT, R. B., *et al.*
STUDNITZ, W. v., *see* KÄSER, H., BETTEX, M., and STUDNITZ, W. v.
Sucrose, intolerance, hereditary, levels of sucrase activity in jejunal mucosa, 431
SUGAR, O., *see* YASHON, D. and SUGAR, O.
SULAMAA, M. and VIITANEN, I.: Treatment of pancreatic rupture, 187
SUTCLIFFE, J., *see* BONHAM CARTER, R. E., and SUTCLIFFE, J.
SUTHERLAND, T. W., *see* LEWIS, G. M. and SUTHERLAND, T. W.
Sweat, cystic fibrosis of pancreas and normal, effect of experimental salt depletion and aldosterone load on sodium and chloride concentration in, 61
SWEETNAM, W. P., BARLOW, A. J. E., and DENNISS, R. G.: Intrapartum toxic epidermal necrolysis, 517
SWYER, P. R., *see* DELIVORIA-PAPADOPOULOS, M. and SWYER, P. R.
SZÉKY, J., *see* PRADER, A., *et al.*
SZÖTS, I. and JAKAB, T.: Indications for urgent operation in pulmonary tension disorders in childhood, 172

Tay-Sachs disease, with visceral involvement, relation to gargoylism, 634
Teeth, effect of hypophosphatasia on, 584
Temperature regulation in newborn, and function of brown fat, 419
TERSLEV, E., *see* INGOMAR, C. J., *et al.*
Testis, descent, 605
Tetanus neonatorum, modifications in method of treating with intermittent positive-pressure respiration, 92
Thalassaemia, homozygous, in an English child, 625
THAMBIRAN, A. K., *see* ADAMS, E. B., *et al.*
THEODORE, G. M., FORD, J. D., and HAWORTH, J. C.: The intravenous galactose tolerance test in infancy, 505
THEODOROU, S., *see* CHOREMIS, C., *et al.*
THOMAS, M. A.: 'Adult pattern' of pulmonary vessels in newborn infants, 232
TINGEY, A. H., *see* NORMAN, R. M., *et al.*
TODD, I. P.: Juvenile polyps, 166
TODD, R. M. and NEVILLE, J. G.: The sequelae of tuberculous meningitis, 213
TONGE, R. E., *see* BURGESS, E. A., *et al.*
Tongue, neurilemmoma of, 297
Toxoid, staphylococcal, trial, relation between infection in maternity hospital and subsequent infection, 485
Transfusion, placental, and fluid metabolism on the first day of life, 363
Trisomy syndrome, 13-15 chromosomes, and arrhinencephaly, 302
—— ——, 17-18, with phocomelia, exomphalos, and agenesis of hemidiaphragm, 519
TROLLE, D.: Incidence and possible relation to athetosis of neonatal jaundice of unknown aetiology, 85
Tryptophan metabolism, abnormal, and hydroxykynureninuria, 250
Tuberculosis, miliary, acute dermatomyositis presenting as, 293
Tuberculous meningitis, sequelae, 213
Tumour, carotid body, malignant, newborn infant, 194
——, neural, catecholamine metabolites in, determination, 168
——, *see also* individual names
——, Wilms', hypoglycaemia with, 197
Tyrosine, plasma, levels in premature babies, 371

Umbilical cord blood, normal infants and those of diabetic mothers, 342
—— ——, ——, serum lipids, in diabetic pregnancy, 334
Urinary tract diseases, and micturition cysto-urethrography, 95
Urine, microscopic appearance in neonatal period, 287
Urological cases, two 'hopeless', 192
Uterine vasculature, in diabetic pregnancy, 334

Vaccine, staphylococcal, trial, and relation between infection in maternity hospital and subsequent infection, 485
Vaccinia, progressive, and *Pneumocystis carinii*, in siblings, 26
VALAES, T., *see* DOXIADIS, S. A. and VALAES, T.
VAN GELDER[illegible] H. H. and DOOREN, L. J.: The excretion of free α-amino acids in children, 261
VARGA, F., *see* KERPEL-FRONIUS, E., *et al.*
VEENSTRA, H. W., *see* VISSER, H. K. A., *et al.*
Ventilation, assisted, in terminal hyaline membrane disease, 481
Vesico-intestinal fissure, 204
Vessels, pulmonary, 'adult pattern' in newborn infants, 232
VIITANEN, I., *see* SULAMAA, M. and VIITANEN, I.
VINCENT, J., *see* EECKELS, R., *et al.*
Virilism, adrenogenital, four clinical types, 66
Visceral involvement, in Tay-Sachs disease, relation to gargoylism, 634
VISSER, H. K. A., VEENSTRA, H. W., and PIK, C.: Hyperglycinaemia and hyperglycinuria in a newborn infant, 397
Vitamin D hypersensitivity cause of renal calculi in twins, 300
VON EULER, U., LARSSON, Y., and PERSSON, B.: Glucose tolerance in the neonatal period and during the first six months of life, 393

WAGNER, H., *see* PRADER, A., *et al.*
WALLENIUS, G., *see* ARESKOG, N. H., *et al.*
WARD, S. P., *see* NORMAN, R. M., *et al.*
WARREN, C. B. M. and BROUGHTON, P. M. G.: Basal copper excretion in Wilson's disease, 265
Warwickshire, South, 1962-1963, infant and child mortality in, 492
WAYBURNE, S., *see* STEIN, H., *et al.*
WESTALL, R. G., *see* KOMROWER, G. M., *et al.*
WESTON, H. J., *see* MARSHALL, W. C., *et al.*
West's syndrome, *see* Spasms, infantile
WHITE, L. L. R. and STEWARD, J. K.: Review of cases of eosinophilic granuloma and Letterer-Siwe, 302
WHITE, R. H. R., *see* HUTT, M. S. R. and WHITE, R. H. R.
WIDDOWSON, E. M., *see* CAVELL, P. A. and WIDDOWSON, E. M.
WILKINSON, A. W., *see* HUGHES, E. A., *et al.*
WILLIAMS, H. P., *see* SHINTON, N. K., *et al.*
Wilms' tumour, hypoglycaemia with, 197
WILSON, V., *see* KOMROWER, G. M., *et al.*
Wilson's disease, basal copper excretion in, 265
—— ——, variant, familial hepatic copper storage disease, 14
WOLFF, O. H., *see* PANTELAKIS, S. N., *et al.*

D-xylose tolerance test, in chronic diarrhoeas of infancy and childhood, 79

YASHON, D. and SUGAR, O.: Today's problems in hydrocephalus, 58
YATES, P. O., *see* FOX, H., *et al.*

YUDKIN, S.: Interchange in matters of paediatric policy, between members of the Council, 420

Zinc, iron and copper, intakes and excretions in neonatal period, 496

PRINTED IN GREAT BRITAIN BY HEADLEY BROTHERS LTD
109 KINGSWAY LONDON WC2 AND ASHFORD KENT